

OneTESS Abstract

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3. Topic Title: One Tactical Engagement Simulation System (OneTESS)

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6. Text of abstract goes here. (250 words or less)

OneTESS Abstract

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6. OneTESS will provide a Live, precision, combined arms FOF and FOT training and testing capability embedded to the maximum extent practical, and appended when embedding is not practical, that capitalizes on the “train-assess-train” model and supports all five Army tactical missions and crosses all seven battlefield operating systems. OneTESS will be an integrated training system for use at home station, local training areas, maneuver Combat Training Centers, and deployed training and testing sites. OneTESS will provide Army testers with the capability to determine the force effectiveness of new or upgraded Army systems. OneTESS will exploit recent advances in data processing and storage, communications, navigation, networking, interoperability, sensors, and modeling and simulation technologies to significantly advance the state-of-the-art of Real-Time Casualty Assessment (RTCA) and automated data collection. OneTESS capabilities will be developed through incremental development.

OneTESS will simulate these weapons and munitions battlefield effects:

- Electronic Warfare and Information Operations Warfare.
- Engineer warfare and countermines.
- Nuclear, biological, and chemical.
- Ground-to-ground engagements (includes directly and indirectly fired munitions/Non-Line of Sight and Beyond-Line of Sight).
- Ground-to-air engagements.
- Air-to-air and air-to-ground engagements, to include Close Air Support.
- Smart fire-and-forget engagements.
- Directed energy weapons (including High Powered Microwave and Laser).
- Countermeasures and Counter-countermeasures.
- Non-lethal munitions.
- Precision gunnery.